

Title (en)

A cartridge for applying varying amounts of tissue compression

Title (de)

Einsatz zur Anwendung unterschiedlicher Mengen an Gewebekompression

Title (fr)

Cartouche pour l'application de quantités variables de compression tissulaire

Publication

EP 2319422 A1 20110511 (EN)

Application

EP 11000148 A 20090421

Priority

- EP 09251138 A 20090421
- US 4688308 P 20080422
- US 42250109 A 20090413

Abstract (en)

A surgical instrument comprising: an anvil; a cartridge having a first contacting portion and a second contacting portion; a first gap defined between the first contacting portion and the anvil; and a second gap defined between the second contacting portion and the anvil, the second gap being different from the first gap such that tissue disposed between the anvil and the cartridge is subjected to two different values of compression, the values of compression varying along a longitudinal axis of the cartridge.

IPC 8 full level

A61B 17/064 (2006.01); **A61B 17/068** (2006.01); **A61B 17/072** (2006.01)

CPC (source: EP US)

A61B 17/064 (2013.01 - EP US); **A61B 17/068** (2013.01 - US); **A61B 17/0686** (2013.01 - EP US); **A61B 17/07207** (2013.01 - EP US); **A61B 17/105** (2013.01 - US); **A61B 17/115** (2013.01 - US); **A61B 2017/07214** (2013.01 - US); **A61B 2017/07235** (2013.01 - EP US); **A61B 2017/07242** (2013.01 - EP US)

Citation (search report)

- [X] US 2008041918 A1 20080221 - HOLSTEN HENRY E [US], et al
- [X] US 2004004105 A1 20040108 - JANKOWSKI BRUCE K [US]

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US11344309B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2111803 A2 20091028; **EP 2111803 A3 20100616**; **EP 2111803 B1 20181003**; AU 2009201519 A1 20091105; AU 2009201519 B2 20140220; CA 2663002 A1 20091022; CA 2663002 C 20161011; EP 2319422 A1 20110511; EP 2319422 B1 20180801; EP 2319424 A1 20110511; EP 2319424 B1 20180808; JP 2009261944 A 20091112; JP 2014012150 A 20140123; JP 2015037567 A 20150226; JP 5435707 B2 20140305; JP 5813062 B2 20151117; US 10085754 B2 20181002; US 2009261144 A1 20091022; US 2011315739 A1 20111229; US 2012305628 A1 20121206; US 2013299555 A1 20131114; US 2016270792 A1 20160922; US 8028884 B2 20111004; US 8256655 B2 20120904; US 8496156 B2 20130730; US 9364225 B2 20160614

DOCDB simple family (application)

EP 09251138 A 20090421; AU 2009201519 A 20090417; CA 2663002 A 20090417; EP 11000148 A 20090421; EP 11000149 A 20090421; JP 2009103485 A 20090421; JP 2013153365 A 20130724; JP 2014187455 A 20140916; US 201113228017 A 20110908; US 201213585377 A 20120814; US 201313941665 A 20130715; US 201615169238 A 20160531; US 42250109 A 20090413